

## Region 3 GPRA Baseline RCRA Corrective Action Facility

# Cytec Fiberite Inc.

1300 Revolution Street  
Havre de Grace, MD 21078  
Congressional District 2  
EPA ID #: MDD003075942  
Last Updated 6/9/05

## Current Progress at the Site

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In 1991, the EPA issued a RCRA Corrective Action Permit to Cytec to address any contamination present at the facility. EPA, Maryland Department of the Environment (MDE) and the facility are coordinating closely to complete the requirements of the permit.



Cytec Engineered Materials Inc. is currently implementing interim measures (short-term actions) to contain and treat contaminated groundwater at the facility. The system was started on April 29, 2002. Highlights of the new extraction system are described below.

- Groundwater is extracted from monitoring well 10D (MW-10D). Based on investigations at the site, this well appears to be located in a preferential pathway for groundwater flow.
- Two 1-inch pipes (one active and one backup) transport extracted water to the Havre de Grace STP. Both pipes are contained in a 2-inch pipe to provide secondary containment. The water is initially pumped to a pretreatment tank containing food wastes from a local processor. The active biological systems in the pretreatment tank helps to breakdown contaminants in the water before moving through the rest of the treatment plant.
- The extraction system is equipped with many safety features. The instrumentation is remotely accessible for monitoring system operation and reporting purposes. Also, in the event of a problem, there is an automated system shutoff and voice notification to ensure prompt attention.
- The system has been designed to pump groundwater at a rate of 7.5 gallons per minute, with an approximate sphere of influence of 800 to 1000 feet. It is estimated that this will result in hydraulic control of local groundwater in the area of MW-10D. The wastewater treatment plant receiving the extracted groundwater has specified pumping limits of less than 15,000 gallons per day and less than 500 gallons per 30 minute interval.
- Cytec has coordinated with the City of Havre de Grace officials to obtain all the necessary permitting and operating requirements to ensure compliance with federal, state, and local regulations.

An Annual Site Monitoring Report evaluating the system and the data obtained in the first year of operation was submitted in June 2003, and EPA provided comments on 1/16/04. Cytec will continue to monitor groundwater wells installed in the area to assess the effectiveness of the extraction system in containing the plume. The results of the monitoring program will be



Shed containing instrument panel and piping.



View of piping system inside instrument building.



Manhole showing monitoring well MW-10D

reported to EPA and MDE for review.

## Site Description

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Located in Havre de Grace, Maryland, Cytec Engineered Materials currently produces specialty bonding adhesives and composite materials for a variety of industrial applications.

## Site Responsibility

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RCRA Corrective Action activities at this facility are being conducted under the direction of EPA Region 3 with assistance from the Maryland Department of the Environment.

## Contaminants

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The contaminants in the groundwater are organic solvents, most likely a result of a former leaking underground product storage tank. 1,2-Dichloroethane (1,2-DCA) and Methylene Chloride are the two primary contaminants of concern.

## Community Interaction

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Cytec is located within 0.75 miles of the Chesapeake Bay and the area surrounding the facility can be characterized as light industrial and residential. A townhouse community is located hydraulically down gradient (east and southeast) to the site. The facility maintains contact with the nearby residents in the community by issuing fact sheets describing progress on the corrective action activities.

## Institutional Controls

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No institutional controls are currently in place.

## Government Contacts

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For more information about EPA's corrective action program, including Environmental Indicators, please visit our site at: [www.epa.gov/reg3wcmd/correctiveaction.htm](http://www.epa.gov/reg3wcmd/correctiveaction.htm)

## Facility Contact

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